BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 49.99 Lakhs

Name of Work:-Improvements to drains and asphalting to roads in 2nd cross, 10th cross, 11th cross, 9th cross, 2nd main, 8th main, 9th main, 10th main, 12th cross, 13th cross, 11th cross and 5th A main in A sector in ward

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift no to 1.5m,excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	10th A cross		2	170.00	0.50	0.30	51.00		
	11th A cross		2	185.00	0.50	0.35	64.75		
	8th A main		2	180.00	0.40	0.30	43.20		
	9th A main		2	150.00	0.45	0.30	40.50		
	10th A main		2	150.00	0.45	0.25	33.75		
	12th cross		2	150.00	0.40	0.35	42.00		
	11th main		2	150.00	0.45	0.35	47.25		
	5th A main		2	258.00	0.45	0.35	81.27		
							403.72	75.60	30521.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	KSRB 2-2.2 - Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification. No. KBS 2.1(b) / 2.3.5, No. 6/ Item No. 2.4/ PWD SR 2014-15	Cum							
	Berm cutting in 10th A cross		2	170.00	1.45	0.20	98.60		
	11th A cross		2	185.00	1.50	0.23	127.65		
	8th A main		2	180.00	1.50	0.20	108.00		
	9th A main		2	150.00	0.80	0.20	48.00		
	10th A main		2	150.00	1.00	0.25	75.00		
	12th cross		2	15.00	1.15	0.20	6.90		
	11th main		2	150.00	1.35	0.20	81.00		
	13th cross		2	100.00	1.20	0.20	48.00		
	5th A main		2	258.00	1.35	0.25	174.15		

	7th A Main:- For RCC drain		1	273.00	0.95	0.90	233.42		
	Basic Rate	245.00					1000.72	264.60	264789.00
	Area Weightage @ 8%	19.60							
	Total	264.60							
3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS 4.1,4.2 (Item no: 4.3,Page no12, PWD SR 2014-15)	Cum							
	7th A Main:- For RCC drain		1	273.00	0.95	0.15	38.90		
							38.90	4847.04	188562.00
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	4847.04							
4	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	For RCC drain		1	273.00	0.90	0.15	36.86		
	Side walls		2	273.00	0.15	0.70	57.33		
	Covering slab		1	240.00	0.80	0.10	19.20		
	Drain back filling concrete		1	60.00	0.20	0.25	3.00		
	Basic rate	5616.00					116.39	6065.28	705908.00
	Add 8% AW	449.28							
	Total	6065.28							

5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr 2014-15,p.no17,s.no 4.46)	Qtl							
	80 kg / cum						93.11		
							93.11	7905.60	736075.00
	Basic rate	7320.00							
	Add 8% AW	585.60							
	Total	7905.60							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses, buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2 (pwd sr2014-15,p.no15/4.31)	Sqm							
	For RCC drain		4	273.00		0.75	819.00		
	Basic rate	271.00					819.00	292.68	239705.00
	Add 8% AW	21.68							
	Total	292.68							
7	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	Cum							
	9th A main		2	150.00	1.80	0.25	135.00		
	10th A main		2	150.00	1.50	0.25	112.50		

	12th cross		2	14.40	0.95	0.25	6.82		
	11th main		2	150.00	1.35	0.25	101.25		
	13th cross		2	100.00	1.30	0.25	65.00		
	5th A main		2	258.00	1.85	0.25	238.65		
							659.22	**1438.56**	**948328.00**
	Basic rate	1332.00							
	Add 8% AW	106.56							
	Total	**1438.56**							
8	KSRRB M500-6.Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of 60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No502 (ITEMNO21.6.Page no157,PWD SR 2014-15)	Sqm							
	9th A main		1	150.00	5.00		750.00		
	10th A main		1	150.00	4.50		675.00		
	12th cross		1	15.00	4.00		60.00		
	11th main		1	150.00	4.00		600.00		
	13th cross		1	100.00	4.50		450.00		
	5th A main		1	258.00	6.00		1548.00		
							4083.00	**35.21**	**143754.00**
	Basic rate	32.60							
	Add 8% AW	2.61							
	Total	**35.21**							
9	KSRRB M500-18.Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rolling withsmooth wheeled,vibratoryandtandemrollers to achievethe desired compactionas per MORTH Specification clauseno 508 complete inall respects completeasper specifications. using 100120THcapacity H.M.P with sensor paver gradingl(35-40mm) with 4.5% CRMB55grade(Itemno21.21.1,Pagen o16 D 2014-15)	Sqm							

	9th A main		1	150.00	5.00	0.025	18.75		
	10th A main		1	150.00	4.50	0.025	16.88		
	12th cross		1	15.00	4.00	0.025	1.50		
	11th main		1	150.00	4.00	0.025	15.00		
	13th cross		1	100.00	4.50	0.025	11.25		
	5th A main		1	258.00	6.00	0.025	38.70		1040635.00
	Basic rate	9440.00					232.91	10195.20	2374590.00
	Add 8% AW	755.20							
	Total	10195.20							
10	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	missing slabs		85	0.90	0.60		45.90	1245.00	57146.00
							45.90		
11	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum. KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum							
			Vide Item No. 1+2				1404.44	68.04	95558.00
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
		68.04						TOTAL	4462385.00
	KRIDL Charges 11%								490862.00
	Quality Control charges 1%								44626.00
12	Miscellaneous charges	L/S							1129.00
			AE/JE	TA	SE	(BTP)	CE (BTP)	Total RS	4999000.00

(Rupees forty nine lakhs ninety nine thousand only)

ADMINISTRATIVELY SANCTIONED FOR Rs. 49.99 lakh
Rupees Forty nine lakhs ninety nine thousand only
Under P2415 Reserve fund for I & F
Registered as SE (BTP) No. 77
Subject to conditions contained in enclosed memo dated 04/12/14
Dt. 04/12/14 Estimate Ad... BBMP/VNK(E)/AA/No/14-15 dated 04/12/2014 Rs 4999000
Addl Commissioner (Yelahanka Zone) BBMP, Bengaluru-92

Administrative Sanction for Rs. ..... Vide Item No. 1+2 Technical Sanction Accorded for Rs 49.99 lakhs.
P-2415 77 Dt: 04.12.14 Subject ..... registered as S.E (BTP) ..... to Conditions contained in enclosed memo ..... No. ..... Dt. .....

Certificate

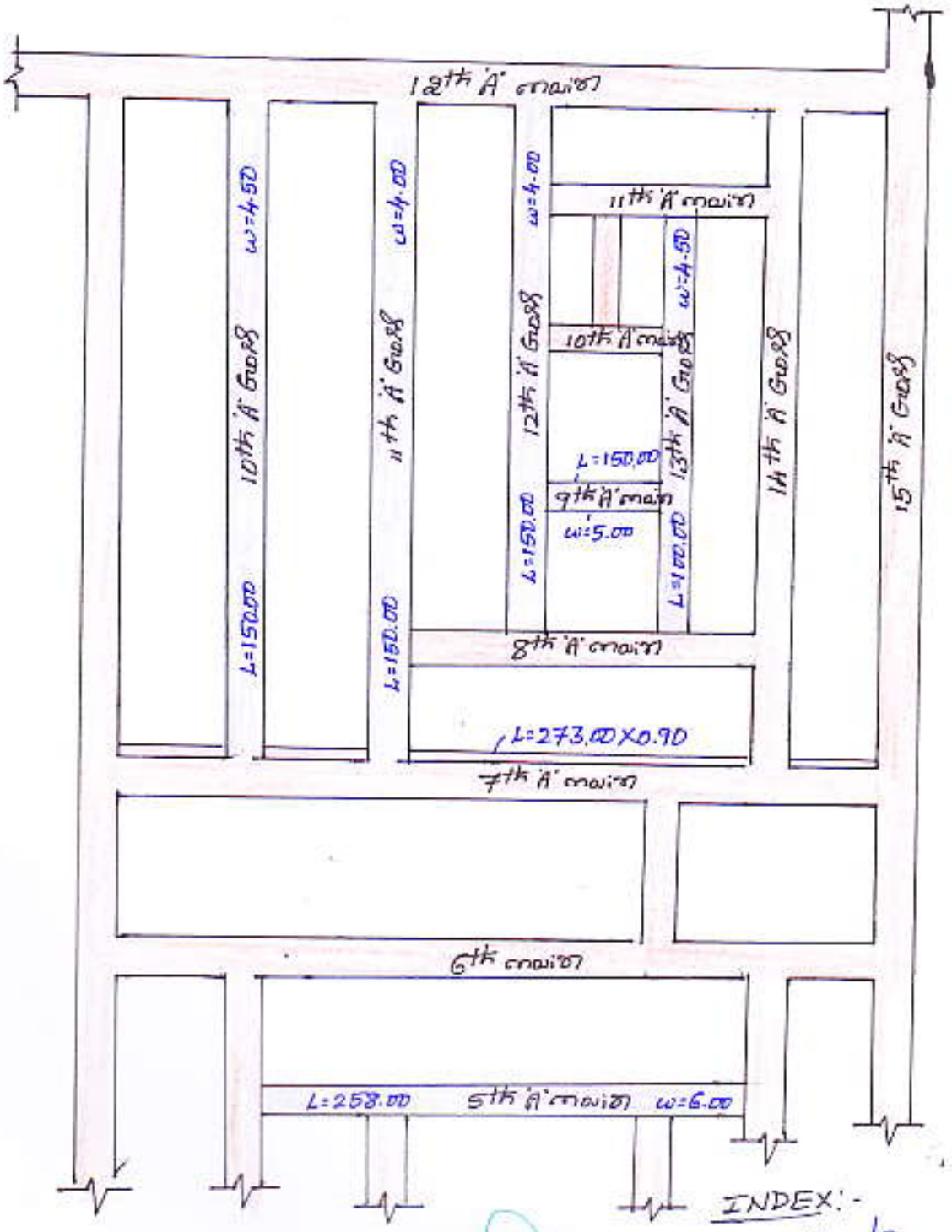
1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

K.M. Ehalli
Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division

Executive Engineer
Yelahanka Zone
BBMP, Bangalore - 560064

Name of work:- Improvements to drains and Asphalting to roads in 2nd Cross, 10th Cross, 11th Cross, 9th Cross, 2nd main, 8th main, 9th main, 10th main, 12th Cross, 13th Cross, 11th Cross & 5th 'A' main in 'A' Section in ward no-04.



INDEX:-

- ☐ - SDBC Roads
- ☐ - Rcc Drains
- ☐ - Existing Asphalting Roads

K.M. & Hubli

A.E

ಸಹಾಯಕ ಆಯುಕ್ತರವರ ಆಯುಕ್ತರು
ಧಾರವಾಡ ಉಪನಗರ ಉಪವಿಭಾಗ.